BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Impovements to CC Roads at Varadarajanagara behind Govt School Roads in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.**

							Estimate Cost:		2000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	For CC Road		1	180.00	3.50	0.20	126.00		
			1	85.00	3.00	0.15	38.25		
			1	55.00	4.00	0.15	33.00		
			1	60.00	4.00	0.15	36.00		
							233.25	90.72	**21160.00**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	KSRRB M300-53: Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) **MORTH specification No. 305, No. 159 / Item No. 19.60 / PWD SR 2013-14**	Cum							
	For Road Work		1	180.00	3.50	0.30	189.00		
			1	85.00	3.00	0.30	76.50		
			1	55.00	4.00	0.30	66.00		
			1	60.00	4.00	0.30	72.00		
							403.50	163.24	**65867.00**
	Basic Rate	154.00							
	Area Weightage @ 6%	9.24							
	Total	**163.24**							
3	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 /Item No. 4.3 PWD SR - 2013-14**	Cum							
	For CC Road		1	180.00	3.50	0.15	94.50		
			1	85.00	3.00	0.15	38.25		
			1	55.00	4.00	0.15	33.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1	60.00	4.00	0.15	36.00		
							201.75	4290.84	**865677.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							
4	KSRRB M2600-3: Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, **No. 251 / Item No. 31.3 PWD SR 2013-14**	M							
			18	3.50			63.00		
			8	3.00			24.00		
			6	4.00			24.00		
			6	4.00			24.00		
							135.00	137.16	**18517.00**
	Basic Rate	127.00							
	Area Weightage @ 8%	10.16							
	Total	**137.16**							
5	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 19 / Item No. 4.48.1/ PWD SR 2013-14**	Cum							
	For CC Road		1	180.00	3.50	0.10	63.00		
			1	85.00	3.00	0.10	25.50		
			1	55.00	4.00	0.10	22.00		
			1	60.00	4.00	0.10	24.00		
							134.50	6464.88	**869526.00**
	Basic Rate	5986.00							
	Area Weightage @ 8%	478.88							
	Total	**6464.88**							
6	**Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **190 / Item No. 22.7/ PWD SR 2013-14**	Sqm							
			1	180.00	3.50		630.00		
			1	85.00	3.00		255.00		
			1	55.00	4.00		220.00		
			1	60.00	4.00		240.00		
							1345.00	91.80	**123471.00**
	Basic Rate	85.00							
	Area Weightage @ 8%	6.80							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	**91.80**							
7	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**209.93**	72.71	**15263.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
8	For Third Part QC Inspection Charges @ 1% of Estimate Cost								**20000.00**
9	Miscellaneous and other Charges	L/S							**519.00**
								Total	**2000000.00**
	(Rs. Twenty Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 20.00 lakhs
Rupees Twenty lakhs Only
Under
enclosure to EE ( )
Dt
Addl Cmr (YZ) A/S 698/13-14
dated 23-12-2013 Rs 20.00 lakhs.

Addl Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

Technical Sanction for Rs. 20.00 lakhs
Twenty lakhs only
Rupees
Subject
to correct
No: 211/13-14 Dt: 23-12-13

AEE

EE (BTP.Div.)